

M.D. Examination, May/June 2010

COMMUNITY MEDICINE/PREVENTIVE AND SOCIAL MEDICINE

- a) Maternal Health, Child Health, RCH Demography and Family Welfare,
- b) Cares of Special Groups Viz. School Health, Adolescent Health and Geriatrics,
- c) Care of Disabled, Community Based Rehabilitation Tribal Health
- d) Public Health Emergencies and Calamities – III

Duration : 3 Hours

Total Marks : 100

Instructions: 1) Use blue/black ball point pen only.

2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

3) All questions are compulsory.

4) The number to the right indicates full marks.

5) Draw diagrams wherever necessary.

1. Long answer question.

(1×25=25)

Discuss the medico-social problems of aged and discuss the various programmes for the care of aged in our country.

2. Long answer question.

(1×25=25)

Describe the different factors responsible for infant mortality in our country and suggest control measures with special reference to IMNCI.

3. Solve any five questions out of six.

(5×10=50)

- a) Janani Suraksha Yojana
- b) Safe Abortion Practice
- c) Emergency Contraceptive
- d) Zero Population Growth
- e) Bioterrorism
- f) Mentally retarded child.

**M.D. Community Medicine
Paper IV**

Max Marks: 100

Time: 3 hours

Note: Answer All Questions

All questions carry equal marks

1. Discuss the concept of Primary Health care as envisaged in Alma Ata Declaration.
How does it differ with Comprehensive Health Care as conceived in Bhore Committee?
2. Discuss the Priorities in XII five year plan in India in health sector.
3. Discuss the implementation of Janani & Sishu Suraksha Yojna in Maharashtra
4. Discuss the role of corporate sector in health care delivery in India
5. Describe the participatory approach, How it is relevant in present situation in India?
6. Describe in Brief the Health Services in United Kingdom
7. National Urban Health Mission in India
8. Discuss the priorities in Post Millennium Development Goals era
9. Describe the National Health Accounting
10. Describe the Success story of Polio Eradication in India.

M. D. (Community Medicine) Examination

Paper I

COMMUNITY MEDICINE—I

(Time : Three Hours)

N. B :- Attemp all the questions.

1. Describe the Epidemiology and control measures two Hepatitis-B. Whether India should opt the hepatitis-B vaccination in National Immunization Schedule? Give your comments.
2. Discuss the following :--
 - a) Epidemiological transition.
 - b) Gaussian Distribution,
 - c) Uses of Epidemiology.
3. Write short notes on —
 - a) Globalization and its impact on health and disease.
 - b) National Cancer Control Programme.
 - c) Cluster testing.

M.D. Community Medicine
Paper IV

Max Marks: 100

Time: 3 hours

Note: Answer All Questions

All questions carry equal marks

1. Discuss the concept of Health for All. How relevant it now?

2. Discuss the Universal Health Coverage in context to India.

3. National Mental Health Programme

4. Discuss the Qualitative Methods for Health Need assessment

5. Role of Village Health & Sanitation Committees & Panchayats in Decentralised health Care Delivery

6. Describe in Brief the Health Services in United States of America

7. National Rural Health Mission in India

8. Millennium Development Goals related to Health

9. Describe the issues related to alternative health financing

10. Describe the International Health Regulations in brief.

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Health for All

The Concept

Evolution

Alma Ata 1978

USSR

WHO

Concept

PNC

PNC

what

Principles

PNC is tool for Health for All.

H for All by 2000

Relevance

Today

Eliminated

MDG

Inequity

11051

M.D. (Community Medicine / Preventive and Social Medicine), Summer-2014 Examination

(a) History of Public Health and Community Medicine, (b) Behavioural sciences and Health, (c) Information, Education, Communication and Counseling, (d) Microbiology including Entomology, Parasitology and Immunology, (e) Environmental health and Ecology, Public Health Chemistry, (f) General Epidemiology, Biostatistics and Research Methodology, (g) Concept of health and disease- I

Total Duration : 3 Hours

Total Marks : 100

- Instructions:
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 - 7) Use common answer book for all section.

1. What are the guidelines for drinking water quality recommended by WHO related to a) Acceptability b) Microbiological aspect c) Chemical aspect and d) Radiological aspects? (1x25=25)

2. Define the terms Association and Causation. What are the different criteria required to consider an association to be causal? Discuss these criterias in brief taking smoking and lung cancer as an example? (1x25=25)

3. Solve any five questions out of six : (5x10=50)

- a) Social Engineering and its implications in Primary Health Care
- b) Wealth Index and its application in Health
- c) Counselling in HIV/AIDS
- d) Modes of Transmission in Arthropod-borne diseases
- e) Meta-analysis - applied aspects
- f) Disability Adjusted Life Years (DALY)

Summer 2014

DEPARTMENT

11252

M.D. (Community Medicine / Preventive and Social Medicine), Summer-2014 Examination

(A) DIET AND NUTRITION IN HEALTH AND DISEASE, (B) EPIDEMIOLOGY OF COMMUNICABLE DISEASES AND NON-COMMUNICABLE DISEASES, (C) OCCUPATIONAL HEALTH, (D) GENETICS AND COUNSELING - II

Total Duration : 3 Hours

Total Marks : 100

- Instructions:**
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 - 7) Use common answer book for all section.

1. How do you proceed to undertake community based nutritional assessment of obesity in an adult population? Discuss its prevention and management strategies in details. (1x25=25)
2. Describe in detail the Epidemiology of Dengue Fever in India. Give the prevention & Control Measures for the same (1x25=25)
3. Solve any five questions out of six : (5x10=50)
 - a) Genetic counselling
 - b) Syndromic Approach In Management Of STIs/RTIs
 - c) Epidemiological Surveillance in Malaria
 - d) Role of Food fortification in prevention of micronutrient deficiencies in India
 - e) Vitamin D Deficiency
 - f) FSSA Act 2006

PRI



11053

M.D. (Community Medicine / Preventive and Social Medicine), Summer-2014 Examination

(a) Maternal Health, Child Health, RCH Demography and Family welfare, (b) Cares of special groups viz. school health, adolescent health and Geriatrics, (c) Care of disabled, Community based Rehabilitation Tribal Health, (d) Public Health emergencies and calamities- III

Total Duration : 3 Hours

Total Marks : 100

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 - 7) Use common answer book for all section.

1. Discuss the RCH II programme. Add a note on its strengths and shortcomings. (1x25=25)
 2. Describe the various Determinates of Behaviour Problems of Adolescents in India. Enumerate the related legislations with brief comments. Suggest Prevention and Control Measures for these Problems. (1x25=25)
- Solve any five questions out of six : (5x10=50)
- a) Mid-day School Meal
 - b) Primary Health care in Tribal areas
 - c) National Program For Health Care of Elderly
 - d) Disaster Management Cycle
 - e) Pearl Index
 - f) Supplementary Feeding in ICDS



11054

M.D. (Community Medicine / Preventive and Social Medicine), Summer-2014 Examination

(a) Health and Hospital Administration, (b) Health care delivery including National health programmes, (c) Public health legislation, (d) Mental health, (e) International health, (f) Voluntary Health Organisation, NGO's, (g) Management and Health, (h) Health Economics, (i) Recent Advances- IV

Total Duration : 3 Hours

Total Marks : 100

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7) Use common answer book for all section.

1. Enumerate the basic management functions. Explain the relevance and significance of management principle as applied to health sector. (1x25=25)

2. Write about various Voluntary Health Agencies operating in India. Discuss their role in context of community health care activities. (1x25=25)

3. Solve any five questions out of six : (5x10=50)

a) Health economics.

b) National population policy of India.

c) Zerobase budgeting.

d) Medico legal duties and responsibilities of doctors in clinical practice.

e) Decentralisation of health services.

f) Operational Research.

PCTE

PCT

**M.D. (Community Medicine / Preventive and Social Medicine)**

(a) History of Public Health and Community Medicine, (b) Behavioural sciences and Health, (c) Information, Education, Communication and Counseling, (d) Microbiology Including Entomology, Parasitology and Immunology, (e) Environmental health and Ecology, Public Health Chemistry, (f) General Epidemiology, Biostatistics and Research Methodology, (g) Concept of health and disease- I

Duration: 3 Hours

Total Marks: 100

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5) Draw diagrams wherever necessary.

1. What do you understand by the term epidemic. Describe in brief the various type of epidemics. List the various techniques of forecasting of an epidemic. Describe in brief the various steps in management of an epidemic. (1x25=25)
2. Define safe and wholesome water. Discuss various water quality criteria and standard of drinking water. (1x25=25)
3. Solve any five questions out of six : (5x10=50)
 - a) Role of social factor in health and disease.
 - b) Degrees of freedom in statistics.
 - c) Barriers and bridges in communication.
 - d) Hazards of immunisation & their prevention.
 - e) Flea indices.
 - f) Sero-epidemiology.



Winter-2013 Examination

11052

M.D. (Community Medicine / Preventive and Social Medicine)

(a) Diet and nutrition in health and disease, (b) Epidemiology of communicable diseases and non-communicable diseases, (c) Occupational Health, (d) Genetics and Counseling - II

Duration: 3 Hours

Total Marks: 100

Instructions: 1) Use blue/black ball point pen only.

2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

3) All questions are compulsory.

4) The number to the right indicates full marks.

5) Draw diagrams wherever necessary.

1. Discuss ecology of malnutrition. Critically review the various national nutrition programmes in context of prevention of malnutrition in children. (1x25=25)

2. Define "sickness absenteeism". Write various types of sickness absenteeism, its causes, importance, prevention and control measures. (1x25=25)

3. Solve any five questions out of six : (5x10=50)

a) Prevention of Food Adulteration Act in India.

b) Endemic fluorosis.

c) Genetic counseling.

d) Dynamics of typhoid fever transmission.

e) Miners nystagmus.

f) Agent factors in ischaemic heart disease.



Winter-2013 Examination

11053

M.D. (Community Medicine / Preventive and Social Medicine)

(a) Maternal Health, Child Health, RCH Demography and Family welfare, (b) Cares of special groups viz. school health, adolescent health and Geriatrics, (c) Care of disabled, Community based Rehabilitation Tribal Health, (d) Public Health emergencies and calamities- III

Duration: 3 Hours

Total Marks: 100

Instructions: 1) Use blue/black ball point pen only.

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3) All questions are compulsory.

4) The number to the right indicates full marks.

5) Draw diagrams wherever necessary.

1. Discuss the current health situation of the tribal population in India with reasons. Describe the various programmes of the Government of India for improving the health status of children below 5 years of age in this population. (1x25=25)
2. Describe the different factors responsible for high infant mortality in India. Suggest suitable measures to bring it down. (1x25=25)
3. Solve any five questions out of six : (5x10=50)
 - a) Dependency ratio.
 - b) Pearl Index.
 - c) Prenatal advice.
 - d) Kangaroo mother care.
 - e) Child trafficking.
 - f) Lifestyle and healthy ageing.



11054

M.D. (COMMUNITY MEDICINE / PREVENTIVE AND SOCIAL MEDICINE), Winter-2013
Examination

(A) HEALTH AND HOSPITAL ADMINISTRATION, (B) HEALTH CARE DELIVERY
INCLUDING NATIONAL HEALTH PROGRAMMES, (C) PUBLIC HEALTH LEGISLATION, (D)
MENTAL HEALTH, (E) INTERNATIONAL HEALTH, (F) VOLUNTARY HEALTH
ORGANISATION, NGO'S, (G) MANAGEMENT AND HEALTH, (H) HEALTH ECONOMICS (i)
RECENT ADVANCES - IV

Total Duration : 3 Hours

Total Marks : 100

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7) Use common answer book for all section.

1. Describe National Programme for prevention and control of cancer, diabetes, cardiovascular diseases and stroke (NPCDCS) in India. Add a note on tobacco control legislation. (1x25=25)

2. Write about structure and functions of World Health Organization. Describe in brief the contribution of various bilateral agencies in the field of health in India. (1x25=25)

3. Solve any five questions out of six : (5x10=50)

a) AYUSH doctors and health care of the community

b) Impact of PCPNDT Act on sex ratio from 2001 to 2011

c) Structure, Role and responsibilities of Hospital Infection Control Committee.

d) Organization and functions of health system at national level

e) National health policy: 1983 to 2002

f) National income



M.D. (Community Medicine / Preventive and Social Medicine)

(a) History of Public Health and Community Medicine, (b) Behavioural sciences and Health, (c) Information, Education, Communication and Counseling, (d) Microbiology including Entomology, Parasitology and Immunology, (e) Environmental health and Ecology, Public Health Chemistry, (f) General Epidemiology, Biostatistics and Research Methodology, (g) Concept of health and disease- I

Duration: 3 Hours

Total Marks: 100

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Winter-2013 Examination

11052

M.D. (Community Medicine / Preventive and Social Medicine)

(a) Diet and nutrition in health and disease, (b) Epidemiology of communicable diseases and non-communicable diseases, (c) Occupational Health, (d) Genetics and Counseling - II

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Total Marks: 100

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Winter-2013 Examination

11053

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11054

M.D. (COMMUNITY MEDICINE / PREVENTIVE AND SOCIAL MEDICINE), Winter-2013
Examination

(A) HEALTH AND HOSPITAL ADMINISTRATION, (B) HEALTH CARE DELIVERY
INCLUDING NATIONAL HEALTH PROGRAMMES, (C) PUBLIC HEALTH LEGISLATION, (D)
MENTAL HEALTH, (E) INTERNATIONAL HEALTH, (F) VOLUNTARY HEALTH
ORGANISATION, NGO'S, (G) MANAGEMENT AND HEALTH, (H) HEALTH ECONOMICS (i)
RECENT ADANCES - IV

Total Duration : 3 Hours

Total Marks : 100

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 - b) Impact of PCPNDT Act on sex ratio from 2001 to 2011
 - c) Structure, Role and responsibilities of Hospital Infection Control Committee.
 - d) Organization and functions of health system at national level
 - e) National health policy: 1983 to 2002
 - f) National income



11051

M.D. (Community Medicine / Preventive and Social Medicine)

(a) History of Public Health and Community Medicine, (b) Behavioural sciences and Health, (c) Information, Education, Communication and Counseling, (d) Microbiology including Entomology, Parasitology and Immunology, (e) Environmental health and Ecology, Public Health Chemistry, (f) General Epidemiology, Biostatistics and Research Methodology, (g) Concept of health and disease- I

Duration: 3 Hours

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- 5) Draw diagrams **wherever** necessary.

1. Discuss the role of IEC in control of TB in India. (1x25=25)
2. Discuss the concept of intersectoral approach in public health with examples. (1x25=25)
3. Solve **any five** questions out of six : (5x10=50)
 - a) John Snow.
 - b) Odds Ratio.
 - c) Generation Time.
 - d) Chlorine demand of water.
 - e) Handicap.
 - f) Iceberg phenomenon.



11052

M.D. (Community Medicine / Preventive and Social Medicine)

(a) Diet and nutrition in health and disease, (b) Epidemiology of communicable diseases and non-communicable diseases, (c) Occupational Health, (d) Genetics and Counseling - II

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5) Draw diagrams **wherever** necessary.

1. "Maharashtra free from under five years malnutrition in next 3 years". Write in detail about possibility of achieving this goal with reasons and the obstacles in the way. (1x25=25)
2. Describe the measures for prevention of occupational diseases in India. (1x25=25)
3. Solve **any five** questions out of six : (5x10=50)
 - a) Mendelian diseases.
 - b) Parboiling.
 - c) Glycemic index.
 - d) HIV sentinel surveillance.
 - e) Disability prevention and medical rehabilitation services in leprosy.
 - f) Screening for cancers.



11053

M.D. (Community Medicine / Preventive and Social Medicine)

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5) Draw diagrams **wherever** necessary.

1. Discuss the current RCH Programme Add a note on its strength and weaknesses. (1x25=25)
2. An earthquake has struck your district submit a plan for management of the same at the district level. (1x25=25)
3. Solve **any five** questions out of six : (5x10=50)
 - a) Special schools for spastic children.
 - b) Screening for cataract.
 - c) Community based rehabilitation of amputees.
 - d) Premarriage counseling.
 - e) Health problems of school children.
 - f) Jurenile Delinquency.



11054

M.D. (Community Medicine / Preventive and Social Medicine)

(a) Health and Hospital Administration, (b) Health care delivery including National health programmes, (c) Public health legislation, (d) Mental health, (e) International health, (f) Voluntary Health Organisation, NGO's, (g) Management and Health, (h) Health Economics, (i) Recent Advances- IV

Duration: 3 Hours

Total Marks: 100

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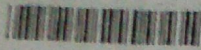
2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.

3) **All** questions are **compulsory**.

4) The number to the **right** indicates **full** marks.

5) Draw diagrams **wherever** necessary.

1. Mention various health committees appointed in India. Describe any 3 in detail. (1x25=25)
2. Describe the development of public health legislation in maternal and child health care. (1x25=25)
3. Solve **any five** questions out of six : (5x10=50)
 - a) Role of hospitals in disaster.
 - b) Cost benefit and cost effectiveness analysis in health.
 - c) Sanitary airport.
 - d) Criteria for mentally healthy individuals.
 - e) World Health Day 2013. *10/10*
 - f) Health Insurance.



11051

M.D. Examination, Winter 2012
COMMUNITY MEDICINE/PREVENTIVE AND SOCIAL MEDICINE

- a) History of Public Health and Community Medicine,
- b) Behavioural Sciences and Health,
- c) Information Education, Communication and Counseling,
- d) Microbiology including Entomology, Parasitology and Immunology,
- e) Environmental Health and Ecology, Public Health Chemistry,
- f) General Epidemiology, Biostatistics and Research Methodology,
- g) Concept of Health and Disease – I

Duration : 3 Hours

Total Marks : 100

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 - 5) **Draw** diagrams **wherever** necessary.

1. Write on evolution of public health in pre and post independent India in the light of National Health programmes.
(1×25=25)
2. Define communication. Outline the Information Education and Communication organization to promote, prevent and control communicable and not communicable diseases in India.
(1×25=25)

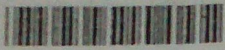
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3. Solve **any five** questions out of **six** :

(5×10=50)

- a) Critical comments on WHO definition of health.
- b) Role of global warming in health.
- c) Importance of management techniques in implementation of health programmes.
- d) Importance of entomological surveys.
- e) Qualitative research methods.
- f) Primordial prevention in non communicable diseases.



11052

M.D. Examination, Winter 2012

COMMUNITY MEDICINE/PREVENTIVE AND SOCIAL MEDICINE

- (a) Diet and Nutrition in Health and Disease,
- (b) Epidemiology of Communicable Diseases and Non-Communicable Diseases,
- (c) Occupational Health,
- (d) Genetics and Counseling – II

Duration : 3 Hours

Total Marks : 100

- Instructions:**
- 1) Use **blue/black** ball point pen only.
 - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All** questions are **compulsory**.
 - 4) The number to the **right** indicates **full** marks.
 - 5) **Draw** diagrams **wherever** necessary.

- 1. Define "Population genetics". Discuss various factors influencing the human gene pool. Write about preventive and social measures for control of genetic disorders in population. 25
- 2. Define "ergonomics". Discuss its scope in prevention and control of occupational hazards. 25
- 3. Write on **any five** out of six : (5×10=50)
 - ✓ a) Measures to control non communicable disease burden in the community.
 - ✓ b) Changing concepts in eye health care.
 - ✓ c) Carriers in typhoid.
 - ✓ d) National cancer control programme.
 - e) Changes made in Revised National Tuberculosis Control Program (RNTCP) as compared to previous program (NTP).
 - f) Prevention and control of Rickettsial diseases.



M.D. (Community Medicine/Preventive and Social Medicine)
Examination, Winter 2012

- (a) MATERNAL HEALTH, CHILD HEALTH, RCH
DEMOGRAPHY AND FAMILY WELFARE,
- (b) CARES OF SPECIAL GROUPS VIZ. SCHOOL
HEALTH, ADOLESCENT HEALTH AND
GERIATRICS,
- (c) CARE OF DISABLED, COMMUNITY BASED
REHABILITATION TRIBAL HEALTH,
- (d) PUBLIC HEALTH EMERGENCIES AND
CALAMITIES – III

Duration : 3 Hours

Total Marks : 100

- Instructions:** 1) Use **blue/black** ball point pen only.
2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
3) **All** questions are **compulsory**.
4) The number to the **right** indicates **full** marks.
5) Draw diagrams **wherever** necessary.

- I. What is risk approach ? Describe its role in maternal and child health. (1×25=25)
- II. What are common health problem of school children ? Describe the role of school teacher in its prevention and control. (1×25=25)
- III. **Any five** out of six : (5×10=50)
 - a) Health issues in disaster management
 - b) Prenatal sex determination
 - c) Nutritional rehabilitation
 - d) Geriatric health problems
 - e) Evaluation of RCH programme
 - f) Neonatal care.



11054

M.D. Examination, Winter 2012

COMMUNITY MEDICINE/PREVENTIVE AND SOCIAL MEDICINE

- a) Health and Hospital Administration,
- b) Health care Delivery Including National Health Programmes,
- c) Public Health Legislation,
- d) Mental Health,
- e) International Health
- f) Voluntary Health Organisation, NGO's,
- g) Management and Health,
- h) Health Economics,
- i) Recent Advances – IV

Duration : 3 Hours

Total Marks : 100

Instructions: 1) Use **blue/black** ball point pen only.

- 2) Do not write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
- 3) **All questions are compulsory.**
- 4) The number to the **right** indicates **full** marks.
- 5) **Draw diagrams wherever necessary.**

1. LAQ :

25

Discuss the differences between a vertical and horizontal health programme. Give illustrative examples.

2. LAQ

25

Describe the salient features of the food security bill. Suggest measures to strengthen it.

3. Solve any 5 out of 6 :

(5×10=50)

- ✓ a) NGO's in Leprosy control.
- ✓ b) Role of private practitioners in DOTS.
- ✓ c) PPM.
- d) Social Assistance.
- ✓ e) Malaria vaccine.
- ✓ f) Prevention of HINI.

COMMUNITY MEDICINE/ PREVENTIVE AND SOCIAL MEDICINE

- a) History of Public Health and Community Medicine,
- b) Behavioural Sciences and Health,
- c) Information, Education, Communication and Counseling,
- d) Microbiology Including Entomology, Parasitology and Immunology,
- e) Environmental Health and Ecology, Public Health Chemistry,
- f) General Epidemiology, Biostatistics and Research Methodology,
- g) Concept of Health and Disease – I

Duration : 3 Hours

Total Marks : 100

Instructions: 1) Use **blue/black** ball point pen only.

2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an **attempt** to resort to unfair means.

3) **All questions are compulsory**.

4) The number to the **right** indicates **full marks**.

5) **Draw diagrams wherever necessary**.

1. Long answer question :

(1×25=25)

Describe the role of "bias" in various Epidemiological studies, with appropriate examples. and

Explain how it can be reduced or eliminated at various stages of the study.

2. Long answer questions :

(1×25=25)

Define the term "Life-style". Discuss the influence and implications of "Life-style" factors on the health profiles of urban and rural population, giving appropriate examples.

3. Solve **any five** questions out of six :

(5×10=50)

- a) Social security interventions
- b) H1N1 vaccine : public health issues and challenges.
- c) Community Diagnosis
- d) Multi-variate analysis
- e) Juvenile Delinquency
- f) Behavioural Surveillance Survey (BSS).

M.D. Examination, Summer 2012
COMMUNITY MEDICINE/PREVENTIVE AND SOCIAL MEDICINE
a) Diet and Nutrition in Health and Disease,
b) Epidemiology of Communicable Diseases
and Non-communicable Diseases,
c) Occupational Health,
d) Genetics and Counseling – II

Duration : 3 Hours

Total Marks : 100

- Instructions:** 1) Use **blue/black** ball point pen only.
2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an **attempt** to resort to unfair means.
3) **All** questions are **compulsory**.
4) The number to the **right** indicates **full** marks.
5) **Draw** diagrams **wherever** necessary.

1. Long answer question : (1×25=25)
Explain the impact of epidemiological factors associated with Tuberculosis in India. Describe the objectives, strategy, activities, achievements and the present status of RNTCP (Revised National Tuberculosis Control Program).

2. Long answer question : (1×25=25)
Describe the Epidemiology of Road Traffic Accidents in India. Describe the prevention and control interventions for the same.

3. Solve **any five** out of six : (5×10=50)
 - a) Genetic counselling
 - b) Food fortification v/s food enrichment
 - c) Determinants of occupational health in Work-place
 - d) Chronic disease registry
 - e) Public Health Strategies for control of Monsoon related illnesses
 - f) Preventive Public Health measures in Airline (Air transport) Sector.



TTU53

M.D. (Community Medicine/Preventive and Social Medicine)
Examination, Summer 2012

- a) MATERNAL HEALTH, CHILD HEALTH, RCH DEMOGRAPHY AND FAMILY WELFARE,
- b) CARES OF SPECIAL GROUPS VIZ. SCHOOL HEALTH, ADOLESCENT HEALTH AND GERIATRICS,
- c) CARE OF DISABLED, COMMUNITY BASED REHABILITATION TRIBAL HEALTH,
- d) PUBLIC HEALTH EMERGENCIES AND CALAMITIES – III

Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use **blue/black** ball point pen only.
 - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All** questions are **compulsory**.
 - 4) The number to the **right** indicates **full** marks.
 - 5) **Draw** diagrams **wherever** necessary.

- 1. Long Answer Question : (1×25=25)
Explain the determinants of adolescent health. Prepare a project proposal for promotion of adolescent health in a given population of one lakh, in a tribal area.
- 2. Long Answer Question : (1×25=25)
Discuss the various health and non-health factors responsible for maternal mortality in India. Explain the strategies to reduce maternal mortality in India.
- 3. Solve **any five** questions out of six : (5×10=50)
 - a) Promotion of male participation in reproductive and child health program
 - b) Theories of population growth
 - c) Antenatal (ANC) tracking
 - d) Public health preparedness plan during floods
 - e) Right to education : implications on health care of school children.
 - f) Growth and development monitoring : its epidemiological applications.

M.D. Examination, Summer 2012
COMMUNITY MEDICINE/PREVENTIVE AND SOCIAL MEDICINE

- a) Health and Hospital Administration,
- b) Health Care Delivery including National Health Programmes,
- c) Public Health Legislation,
- d) Mental Health,
- e) International Health,
- f) Voluntary Health Organisation, NGO's,
- g) Management and Health,
- h) Health Economics,
- i) Recent Advances – IV

Duration : 3 Hours

Total Marks : 100

Instructions: 1) Use **blue/black** ball point pen only.

2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.

3) **All** questions are **compulsory**.

4) The number to the **right** indicates **full** marks.

5) **Draw** diagrams **wherever** necessary.

1. Long Answer Question :

Describe the principles of planning and evaluation in health. Describe the planning cycle in detail with reference to any one National Health Program.

(1×25=25)

2. Long Answer Question :

Discuss the role of Non-Governmental Organizations (NGOs) in health. Explain the concept of public-private partnership and outline the initiatives in the Indian context.

(1×25=25)

3. Solve **any five** out of six :

(5×10=50)

- a) Human Development Index V/s "Happiness" index.
- b) Health Systems Research.
- c) Warning signs of mental illness
- d) ICD-10 classification.
- e) Health Insurance in India.
- f) Inter-linkage between Panchayat Raj and Health care delivery system in India.

M.D. Examination, May/June 2011
COMMUNITY MEDICINE/PREVENTIVE AND SOCIAL
MEDICINE

- History of Public Health and Community Medicine
- Behavioural Sciences and Health
- Information, Education, Communication and Counselling
- Microbiology including Entomology, Parasitology and Immunology
- Environmental Health and Ecology, Public Health Chemistry
- General Epidemiology, Biostatistics and Research Methodology
- Concept of Health and Disease – I

Duration : 3 Hours

Total Marks : 100

Instructions : 1) Use blue/black ball point pen only.

2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

3) All questions are compulsory.

4) The number to the right indicates full marks.

5) Draw diagrams wherever necessary.

1. Long answer question :

(1×25=25)

✓ Define ecosystem and explain the reasons for changing of the urban ecosystem. Discuss the effects of this change on the health of the community and suggest measures to reduce it.

2. Long answer question.

(1×25=25)

Discuss experimental epidemiological studies in relation to clinical trials in Public Health using suitable examples.

3. Solve any five questions out of six.

(5×10=50)

a) John Snow.

✓ b) Radioactive waste disposal

c) Addictive substances – a health risk.

d) Non parametric tests

e) Empowerment.

f) Barriers of communication.



M.D. Examination, May/June 2011
COMMUNITY MEDICINE/PREVENTIVE AND SOCIAL
MEDICINE

- (a) Diet and Nutrition in Health and Disease,
- (b) Epidemiology of Communicable Diseases and Non-communicable Diseases,
- (c) Occupational Health,
- (d) Genetics and Counselling – II

Total Duration : 3 Hours

Total Marks : 100

Instructions : 1) Use **blue/black** ball point pen only.

2) Do not write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.

3) All questions are **compulsory**.

4) The number to the **right** indicates full marks.

5) **Draw** diagrams wherever **necessary**.

1. Long Answer Question.

(1×25=25)

Describe the etiological factors responsible for Oral Cancers in India. Suggest preventive and control measures for the same.

2. Long Answer Question.

(1×25=25)

Discuss the changing pattern of Urban Malaria. Describe the role of the Health System in the country in combating this problem.

3. Solve **any five** questions out of six.

(5×10=50)

a) Prevention of genetic disorders.

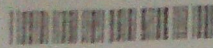
b) Medical certification of cause of death.

c) Food Security and economics.

d) Diet and health-newer perspectives.

e) Scientific basis of treatment strategy in Revised National Tuberculosis Control Programme.

f) Health issues of workers in unorganised sector.



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M.D. Examination, May/June 2011
COMMUNITY MEDICINE/PREVENTIVE AND SOCIAL
MEDICINE

- (a) Maternal Health, Child Health, RCH Demography and Family Welfare
- (b) Cares of Special Groups viz. School Health, Adolescent Health and Geriatrics
- (c) Care of Disabled, Community Based Rehabilitation Tribal Health
- (d) Public Health Emergencies and Calamities – III

Duration : 3 Hours

Total Marks : 100

- Instructions :**
- 1) Use *blue/black* ball point pen only.
 - 2) Do not write anything on the *blank portion* of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) All questions are *compulsory*.
 - 4) The number to the *right* indicates full marks.
 - 5) Draw diagrams wherever *necessary*.

- 1. Long Answer Question. (1×25=25)
Discuss giving reasons the current situation of health of the tribal population in India.
Describe the various programme of the Government of India for improving the health status of the children below five years of age in this population.
- 2. Long Answer Question. (1×25=25)
Describe the different factors responsible for high maternal mortality in India. Suggest suitable measures to bring it down.
- 3. Solve any five questions out of six : (5×10=50)
 - a) Disaster mitigation.
 - b) School drop out children and health.
 - c) Care of children born to HIV positive mothers.
 - d) Teenage pregnancies – causes and consequences.
 - e) Nutritional rehabilitation.
 - f) Street children and their welfare.

M.D. Examination, May/June 2011
**COMMUNITY MEDICINE/PREVENTIVE AND SOCIAL
 MEDICINE**

- (a) Health and Hospital Administration,
- (b) Health Care Delivery including National Health Programmes,
- (c) Public Health Legislation,
- (d) Mental Health,
- (e) International Health,
- (f) Voluntary Health Organization, NGO's
- (g) Management and Health,
- (h) Health Economics,
- (i) Recent Advances – IV

Duration: 3 Hours

Total Marks : 100

Instructions: 1) Use blue/black ball point pen only.

2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

3) All questions are compulsory.

4) The number to the right indicates full marks.

5) Draw diagrams wherever necessary.

1. Long answer questions : (1×25=25)

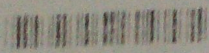
Describe the epidemiological determinants of mental illnesses in the community. Describe the various preventive and control measures for the same.

2. Long answer question : (1×25=25)

Discuss the goals, objectives and targets of the National Urban Health Mission. Describe the strategies to achieve them.

3. Solve any five questions out of six : (5×10=50)

- a) Skill based medical education.
- b) Health Sector Reforms.
- c) Health Management techniques.
- d) Legislation and Public Health.
- e) Importance of World Health Day Themes.
- f) Health Insurance.



M.D. Examination, May/June 2010

COMMUNITY MEDICINE/ PREVENTIVE AND SOCIAL MEDICINE

- a) History of Public Health and Community Medicine,
- b) Behavioural Sciences and Health,
- c) Information, Education, Communication and Counseling,
- d) Microbiology including Entomology, Parasitology and Immunology,
- e) Environmental Health and Ecology, Public Health Chemistry,
- f) General Epidemiology, Biostatistics and Research Methodology,
- g) Concept of Health and Disease – I

Duration : 3 Hours

Total Marks : 100

Instructions: 1) Use blue/black ball point pen only.

2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

3) All questions are compulsory.

4) The number to the right indicates full marks.

5) Draw diagrams wherever necessary.

- 1. Long answer question. (1×25=25)
✓ Discuss the relationship of climate change with health. Also discuss the ways and means to prevent adverse effects of climate change on health.
- 2. Long answer question. (1×25=25)
Describe the social and behavioural determinants of health and disease. How the principles of these sciences may be applied in the disease control?
- 3. Solve any five questions out of six. (5×10=50)
✓ Vision 2020
 - a) Integrated vector control
 - b) Binomial probability distribution
 - c) Ethical consideration in biomedical Research
 - d) Social mapping
 - e) Newer vaccines.



M.D. (Community Medicine/Preventive and Social Medicine)
Examination, May/June 2010

- (a) Diet and Nutrition in Health and Disease,
- (b) Epidemiology of Communicable Diseases and Non-Communicable Diseases,
- (c) Occupational Health,
- (d) Genetics and Counseling -- II

Duration : 3 Hours

Total Marks : 100

Instructions: 1) Use blue/black ball point pen only

2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

3) All questions are compulsory.

4) The number to the right indicates full marks.

5) Draw diagrams wherever necessary.

1. Long Answer Question : (1×25=25)

Describe the epidemiology of obesity, indices for assessment of obesity and suggest preventive measures for obesity.

2. Long Answer Question : (1×25=25)

✓ Describe the epidemiology of occupational cancers and suggest the preventive and control measures.

3. Solve any five out of six : (5×10=50)

a) Swine flue

b) Population genetics

✍ c) Endemic fluorosis

✍ d) Dengue hemorrhagic fever

e) Anti retroviral treatment for HIV

f) Genetic engineering.

M.D. Examination, May/June 2010

COMMUNITY MEDICINE/PREVENTIVE AND SOCIAL MEDICINE

- a) Maternal Health, Child Health, RCH Demography and Family Welfare,
- b) Cares of Special Groups Viz. School Health, Adolescent Health and Geriatrics,
- c) Care of Disabled, Community Based Rehabilitation Tribal Health
- d) Public Health Emergencies and Calamities – III

Duration : 3 Hours

Total Marks : 100

Instructions: 1) Use blue/black ball point pen only.

2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

3) All questions are compulsory.

4) The number to the right indicates full marks.

5) Draw diagrams wherever necessary.

1. Long answer question.

(1×25=25)

Discuss the medico-social problems of aged and discuss the various programmes for the care of aged in our country.

2. Long answer question.

(1×25=25)

Describe the different factors responsible for infant mortality in our country and suggest control measures with special reference to IMNCI.

3. Solve any five questions out of six.

(5×10=50)

- a) Janani Suraksha Yojana
- b) Safe Abortion Practice
- c) Emergency Contraceptive
- d) Zero Population Growth
- e) Bioterrorism
- f) Mentally retarded child.

Maharashtra University of Health Sciences, Nashik
M.D. Practical examination in community Medicine
Department of Community Medicine, MGIMS, Sewagram
Epidemiology & Biostatistics Exercise

Time: 1 hr.

Max. Marks: 30

Attempt all Questions.

All questions carry equal Marks

1. The ORS Marketing Company pack ORS in bags marked as 250 gm. A large number of packs of ORS were weighed and the mean and standard deviation were calculated as 255 g and 2.5 g respectively. Assuming this data is normally distributed, what percentage of packs are underweight?
2. A study to examine the effect of oat-bran cereal on serum cholesterol was conducted on a large sample of individuals of which 12 randomly selected individuals values of serum cholesterol and BMI were reproduced as -

Indi.	1	2	3	4	5	6	7	8	9	10	11	12
S Ch.	7.3	8.0	8.4	8.0	5.4	5.8	7.0	6.2	6.7	6.3	8.2	6.2
BMI	29.0	26.3	21.6	21.8	27.2	24.8	25.2	24.5	25.2	23.5	27.9	24.8

Examine the linear relationship between Serum Cholesterol and BMI. If exists quantify the strength of relationship.

3. Eight randomly selected participants were recruited for an experiment to study the effectiveness of specially prepared diet in combination with programme of exercise in reducing the serum cholesterol level. Their serum cholesterol levels before and after the completions of the diet & exercise programme were recorded as under.

Sr.No:	1	2	3	4	5	6	7	8
Before:	240	230	260	258	248	220	230	255
After:	210	215	240	250	235	200	210	250

Examine whether the data provides any evidence to conclude the effectiveness of the diet-exercise programme in reducing the serum cholesterol levels.

4. The birth weight distribution of new born babies born at Kasturba Hospital Sewagram during the calendar year 2012 was as follows

Birth wt (K.gm)	No. of Babies
2.0 – 2.2	17
2.2 – 2.4	22
2.4 – 2.6	33
2.6 – 2.8	50
2.8 – 3.0	28
3.0 – 3.2	19
3.2 -3.4	11

Identify the expected birth weight range which encompasses commonest 50% new born baby's birth weights.

5. Following contingency table exhibits the association between Smoking habits and occurrence of lung cancer for 500 individuals.

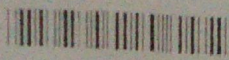
Smoking	Lung cancer		Total
	Yes	No	
Yes	60	140	200
No	15	285	300
Total	75	425	500

What is the magnitude of risk ratio of developing lung cancer due to smoking and range within which most of the time the risk ratio will lie?

6. The breast cancer screening examination by mammography was conducted in rural Hospital area and the results were as under

Mammography	Breast cancer		Total
	Yes	No	
Positive	150	850	1000
Negative	50	48950	49000
Total	200	49800	50000

Calculate the positive & Negative Likelihood ratios for the mammography and interpret the result.



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M.D. (Community Medicine/Preventive and Social Medicine)
Examination, May/June 2010

- a) HEALTH AND HOSPITAL ADMINISTRATION
- b) HEALTH CARE DELIVERY INCLUDING NATIONAL HEALTH PROGRAMMES
- c) PUBLIC HEALTH LEGISLATION
- d) MENTAL HEALTH
- e) INTERNATIONAL HEALTH
- f) VOLUNTARY HEALTH ORGANISATION, NGO'S
- g) MANAGEMENT AND HEALTH
- h) HEALTH ECONOMICS
- i) RECENT ADVANCES – IV

Duration : 3 Hours

Total Marks : 100

- Instructions:*
- 1) Use blue/black ball point pen only.
 - 2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) All questions are compulsory.
 - 4) The number to the right indicates full marks.
 - 5) Draw diagrams wherever necessary.

- 1. Long Answer Question : (1×25=25)
Discuss goal, objectives and targets of NRHM. Also describe the strategy to achieve them.
- 2. Long Answer Question : (1×25=25)
Describe the National Health Policy 2002 of India. How it differs with the National Health Policy of 1983 ?
- 3. Solve any five question out of six : (5×10=50)
 - a) Health Care Financing
 - b) Biomedical Waste Management
 - c) UNFPA
 - d) Public Private Partnership in health
 - e) National AIDS Control Organisation
 - f) International Health Regulation.